EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	188	(Rein or Roth or Douglas).in. and piston and groove$1 and lubricat$3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/23 13:41
L2	45	(Rein or Roth or Douglas).in. and piston and groove$1 and lubricat$3 and coat$3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/23 13:42
L3	14	(engine and piston and groove$1 and lubricat$3 and coat$3).clm.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/23 13:42
S1	4	("3405610" or "3935797" or "4831977" or "5313919").pn.	USPAT	OR	OFF	2006/09/23 13:39
S2	6	US-3405610-$.DID. OR US-3935797-$.DID. OR US-49831977-$.DID. OR US-5195478-$.DID. OR US-5313919-$.DID. OR US-5884600-$.DID. OR US-4987865-$.DID.	USPAT	OR	OFF	2004/12/09 16:58
S3	9	("2197942" | "2806751" | "2817562" | "3995538" | "4395442" | "4519119").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/09 16:32
S4	126	engine and piston$1 and coat$4 with pattern$4 and (lubricat$4 or oil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/10 08:11
S5	823	engine and piston$1 and coat$4 same (recess$2 or groove$1) and (lubricat$4 or oil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 16:50
S6	25	S5 and (groove$1 or recess$2)with pattern$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 16:37
S7	33	S5 and (groove$1 or recess$2) and pattern$2 same piston$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 16:38
S8	1721	123/193.4,193.6;92/865.5,162R,170.1, 189,259,212,232;29/888.048.ccls.	USPAT	OR	OFF	2004/12/09 16:43
S9	227	S8 and piston$1 and coat$4	USPAT	OR	OFF	2004/12/09 16:44

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S10	172	S9 and (recess$2 or groove$1)	USPAT	OR	OFF	2004/12/09 16:48
S11	56	S9 and (recess$2 or groove$1)with skirt	USPAT	OR	OFF	2004/12/09 16:48
S12	84	S5 and (recess$2 or groove$1)with skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 16:50
S13	6	("1441468" | "3077659" | "3405610").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/09 16:52
S14	11	("3935797").URPN.	USPAT	OR	OFF	2004/12/09 16:55
S15	0	ep-0422856-$.did.	EPO	OR	OFF	2004/12/09 16:58
S16	1	ep-422856-$.did.	EPO	OR	OFF	2004/12/09 17:00
S17	1	"3935797".pn. and (recess$2 or groove$1)	USPAT	OR	OFF	2004/12/10 08:01
S18	1	"3935797".pn. and (recess$2 or groove$1) and skirt and piston and (oil or lubrica$5)	USPAT	OR	OFF	2004/12/10 08:02
S19	1	"3935797".pn. and (recess$2 or groove$1) and skirt and piston and (oil or lubrica$5) and coat$4	USPAT	OR	OFF	2004/12/10 08:02
S20	45	engine and piston$1 and coat$4 with skirt and (lubrica$4 or oil)with (groove$1 or bore$1 or recess$2 or hole$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/10 09:24
S21	43	engine and piston$1 and coat$4 with skirt and (lubrica$4 or oil)with (groove$1 or bore$1 or recess$2 or hole$1) and oil	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/10 08:28
S22	12	("1302231" | "1386766" | "1464612" | "1717750" | "1854271" | "2410405").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/10 09:06
S25	7	engine and piston$1 and coat$4 with skirt and (groove$1 or bore$1 or recess$2 or hole$1) and silk adj screen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/10 09:32